

## Drawings

## Legend:

- 5 Fig. 1c  
Position and orientation of the capillary  
E field vector  
Propagation direction of  
electro-magnetic wave
- 10 H field  
vector
- Fig. 2  
Solvent
- 15 dB above ddH<sub>2</sub>O
- Fig. 3  
High-molecular DNA  
dB above buffer
- 20 Fig. 4  
Oligos  
dB above buffer
- 25 Fig. 5  
Concentration dependence at 49 GHz  
dB above buffer
- Figs. 6, 7, 8
- 30 Transmission